

100
Network
Figure 1

AT9-98-908

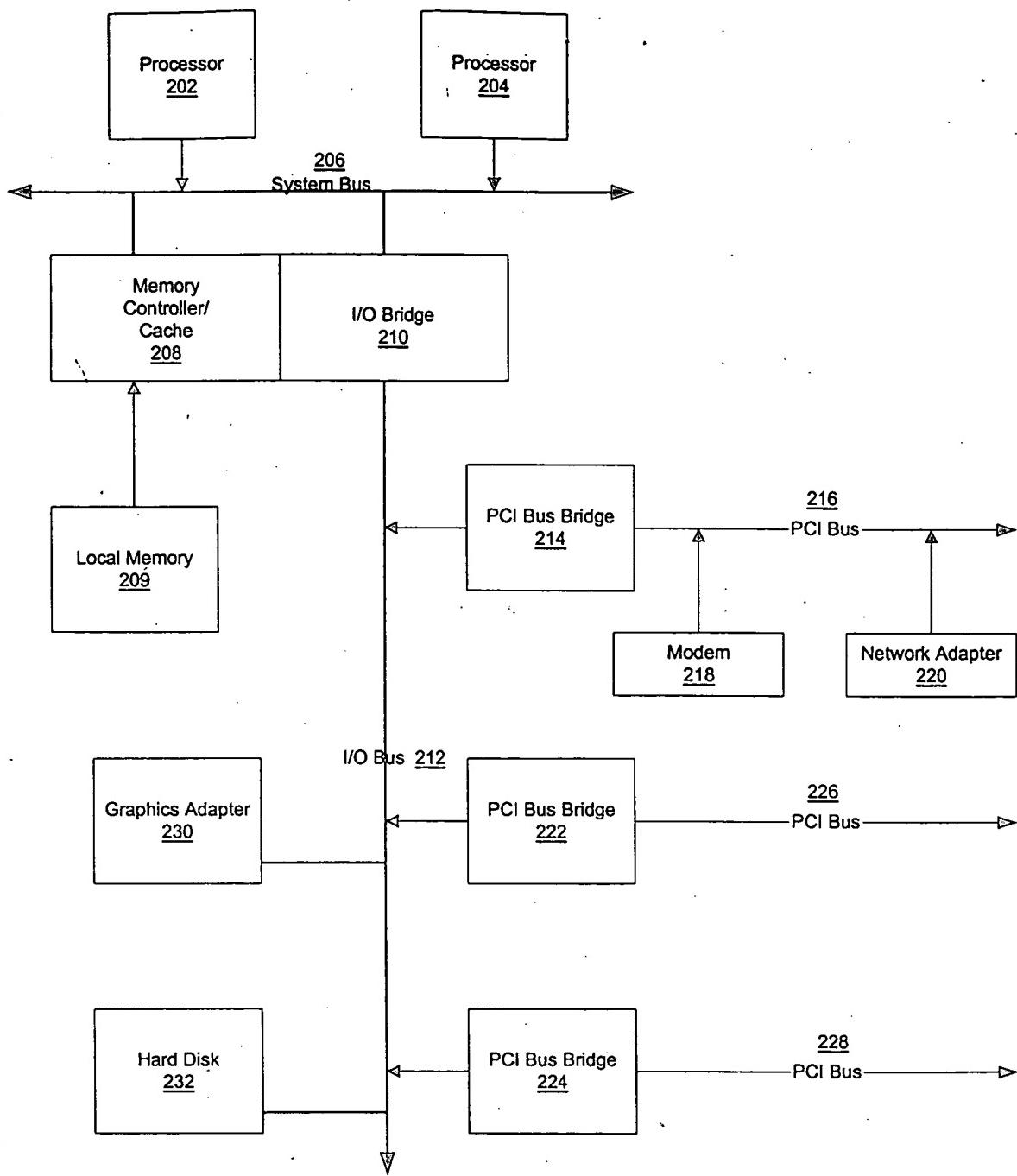


Figure 2

AT9-98-908

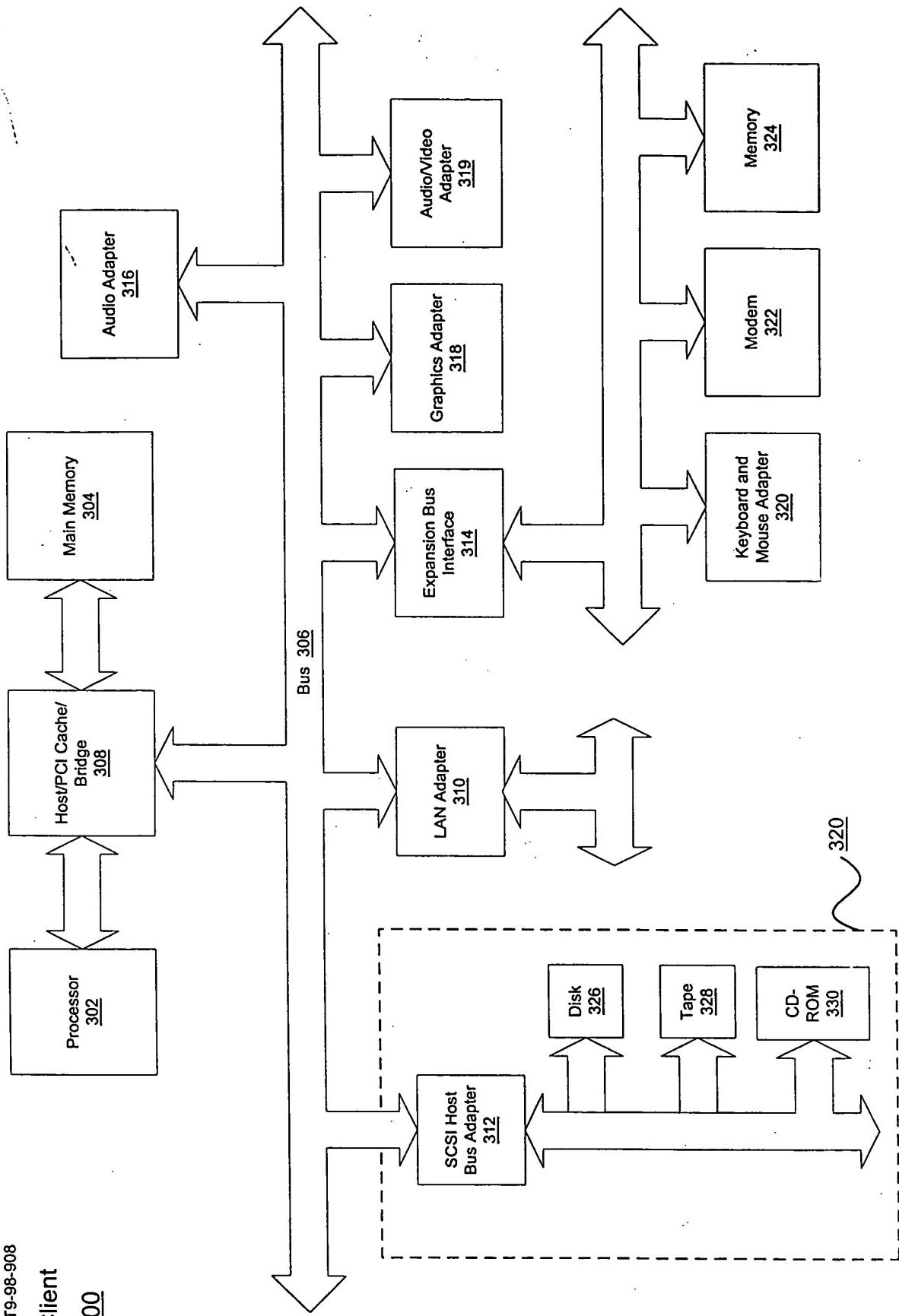
Server

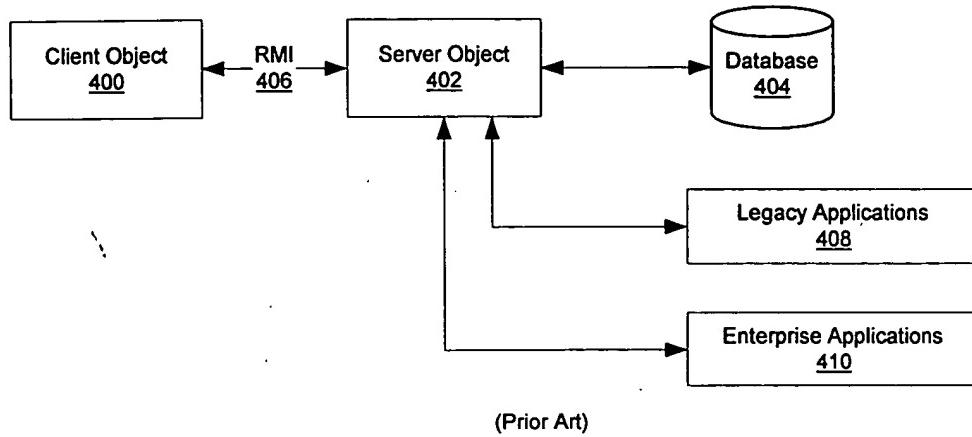
200

Figure 3

AT9-98-908

**Client
300**

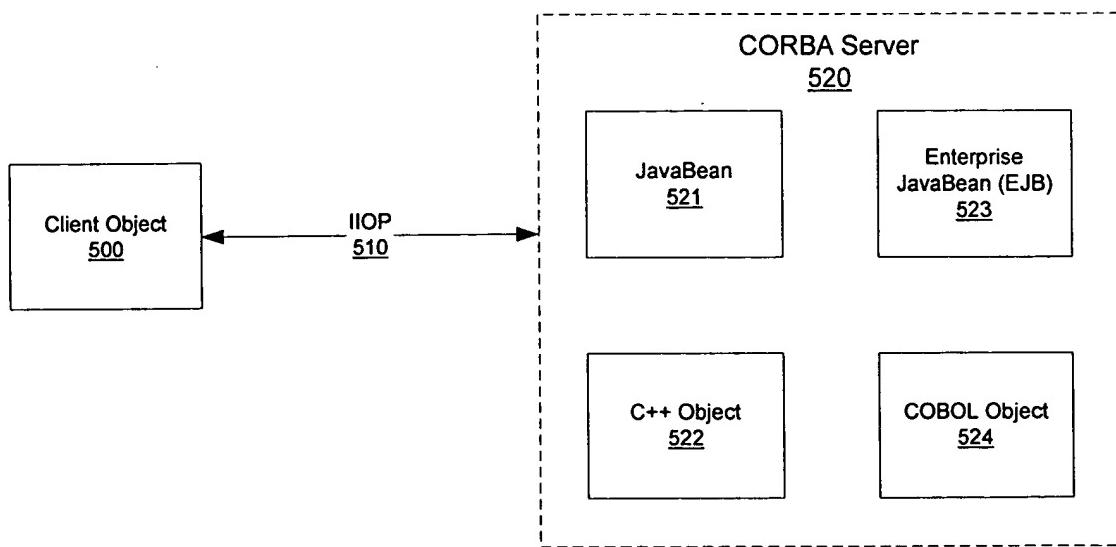




(Prior Art)

Figure 4

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(Prior Art)

Figure 5

AT9-98-908

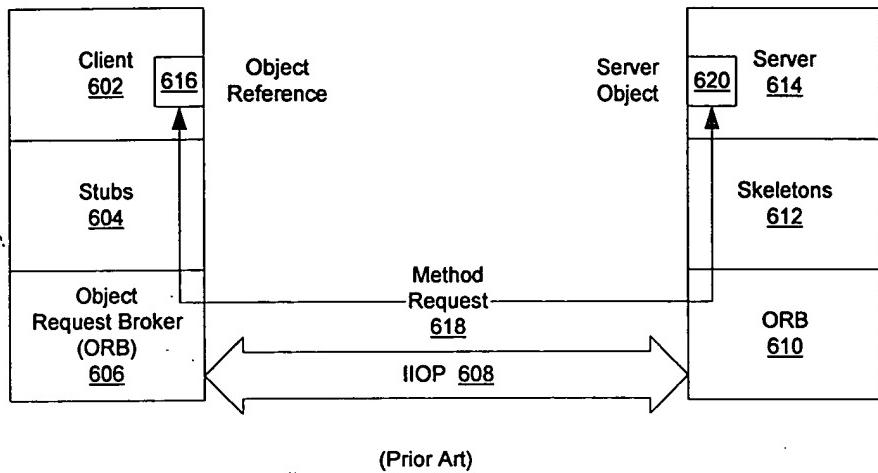


Figure 6

AT9-98-908

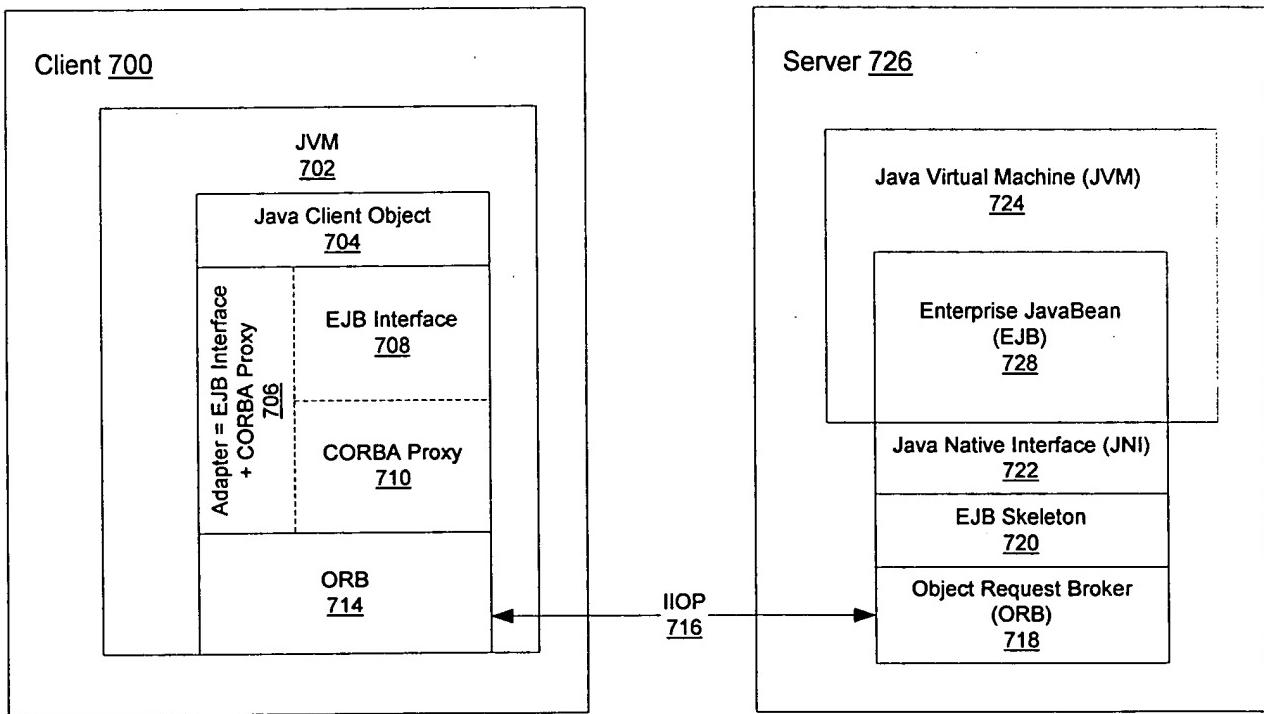


Figure 7A

AT9-98-908

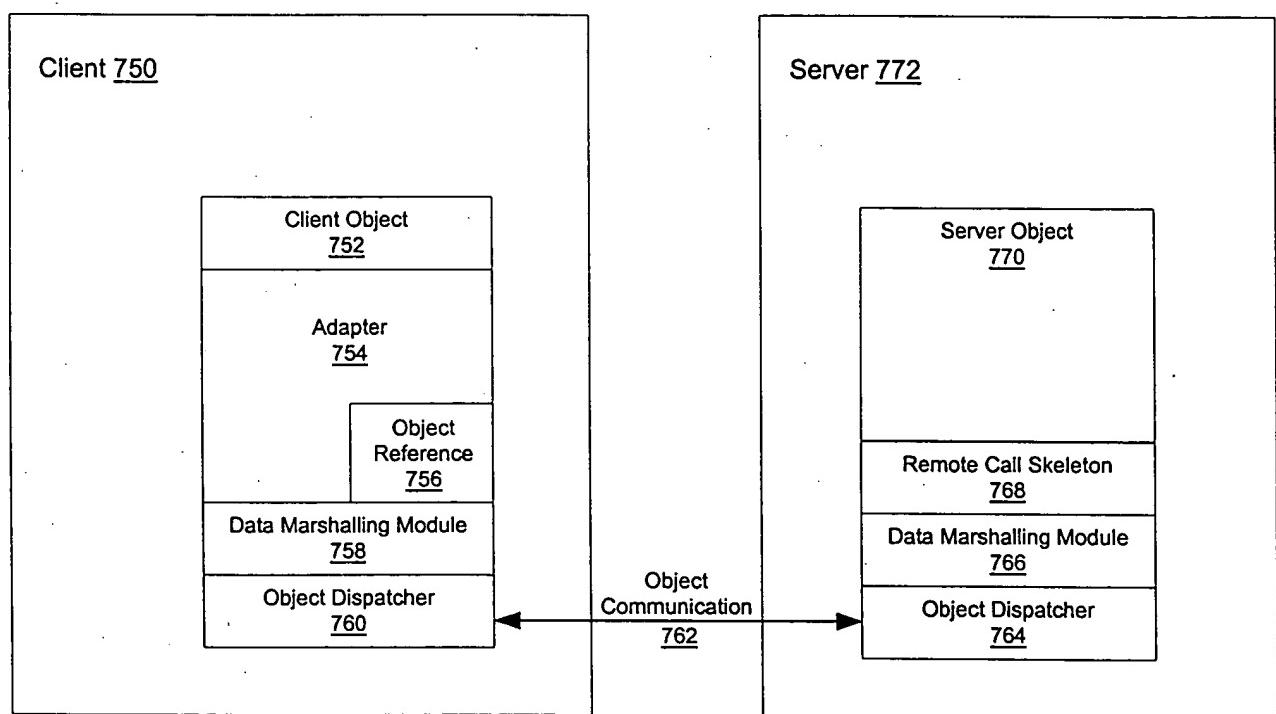


Figure 7B

AT9-98-908

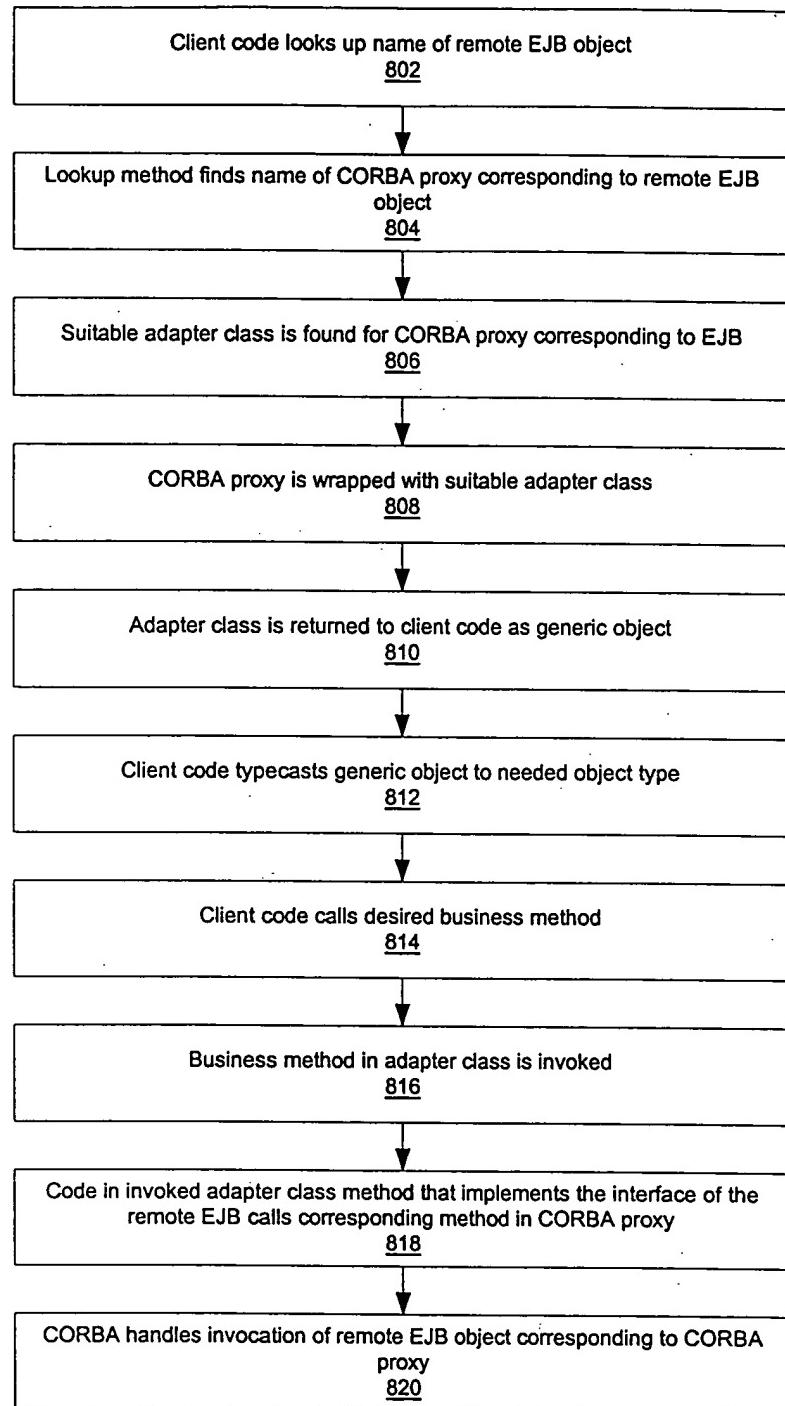


Figure 8

AT9-98-908

```
-902 {  
    Object obj = JavaNamingContext.lookup("RemoteObjectName");  
  
-904 CustomerInterface cast = (CustomerInterface) obj;  
  
-906 cust.businessMethod(args);  
}
```

Figure 9A

AT9-98-908

```
-912 public Object lookup(NameToBeLookedUp) {  
  
-914 CorbaProxy proxy = CorbaNamingServices.lookup(NameToBeLookedUp);  
  
-916 Class adapterClass = findAdapterClassForCorbaProxy(proxy);  
  
-918 Adapter obj = new adapterClass(proxy);  
  
-920 return obj  
}
```

Figure 9B

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```
{  
-922 Object obj = RINameingContext.lookup("RemoteObjectName");  
  
-924 CustomerInterface cust = (CustomerInterface) obj;  
  
-926 cust.businessMethod(args);  
}
```

Figure 9C

AT9-98-908

```
-930 public void businessMethod(args) {  
  
-932 proxy.businessMethod(args)  
}
```

Figure 9D

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-1000- public Customer businessMethod(integer l, Employee ee);

Figure 10A

AT9-98-908

```
{  
-1010- Object obj1= RINamingContext.lookup(EmployeeName);  
-1012- Employee ee= (Employee) obj1;  
-1014- Customer cust= (Customer)RINamingContext.lookup(CustomeName);  
-1016- Customer newCust= cust.businessMethod(1,ee);  
}
```

Figure 10B

AT9-98-908

```
-1020- public Customer businessMethod (integer l, Employee ee) {  
-1022- EmployeeAdapter eeAdapter = (EmployeeAdapter) ee;  
-1024- EmployeeProxy eeProxy = eeAdapter.unwrapAdapter();  
-1026- CustomerProxy custProxy = proxy.businessMethod(l,eeProxy);  
-1028- CustomerAdapter custAdapter = new CustomerAdapter(custProxy);  
-1030- return custAdapter;  
}
```

Figure 10C

AT9-98-908

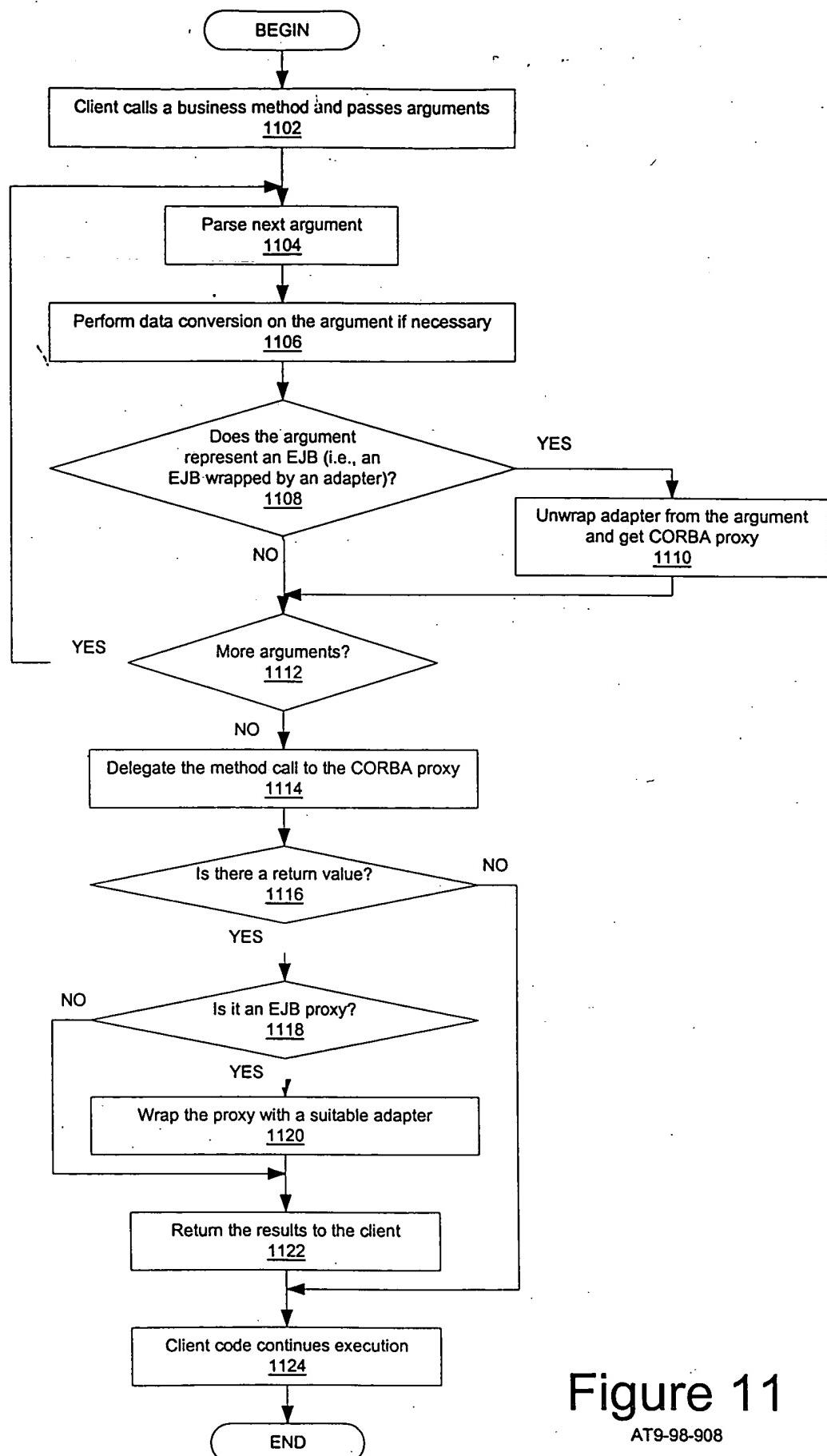


Figure 11

AT9-98-908